PATENT COOPERATION

Express Mail Label No: ED 798635044 US Attorney Docket No.: 101015-1P US

CODE DA	ATE NTD			
From the INTERNATIONAL SEARCHING AUTHORITY	PCT			
To: ASTRAZENECA Global Intellectual Property ANKOM 23. SEP 0 Box 272 Mereside, Macclesfield Cheshire SK10 4GR UNITED KINGDOM DATA ENTERED FINAL CHECK	SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)			
	Date of mailing (day/month/year) 20/09/2004			
Applicant's or agent's file reference				
101015-1 WO	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date (day/month/year)			
PCT/GB2004/001614	14/04/2004			
Applicant ASTRAZENECA AB	2 4 SEP 2004			
Where? Directly to the International Bureau of WIPO, 34 1211 Geneva 20, Switzerland, Fa For more detailed instructions, see the notes on the accordance. The applicant is hereby notified that no International search Article 17(2)(a) to that effect and the written opinion of the in With regard to the protest against payment of (an) addition the protest together with the decision thereon has been	nally 2 months from the date of transmittal of the details, see the notes on the accompanying sheet. chemin des Colombettes scimile No.: (41–22) 740.14.35 mpanying sheet. report will be established and that the declaration under ternational Searching Authority are transmitted herewith. In all fee(s) under Rule 40.2, the applicant is notified that: In transmitted to the international Bureau together with the est and the decision thereon to the designated Offices. Idicant will be notified as soon as a decision is made. In international application will be published by the publication, a notice of withdrawal of the international ureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, all publication. Written opinion of the international Searching Authority to the such comments to all designated Offices unless an stablished. These comments would also be made available to rity date. The designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority rithin 20 months from the priority date, perform the prescribed res. (or later) will apply even if no demand is filed within 19			
Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Josef Ullrich			

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the International phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendmente will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to flie the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- (Where originally there were 15 claims and after amendment of all claims there are 11): "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

	CODE	DATE	T PA	JEN	T COOPERATION	TREA	ΤΥ
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	ANKOM	2 3. SEP. 20	104	EMPSE.	RNATIONAL SEARC	CH REF	PORT
				(PC	Article 18 and Rules 43 a	and 44)	
	ENTERE		Ð	F	OR FURTHER	ac wall	see Form PCT/ISA/220 as, where applicable, Item 5 below.
	T BINALWO			Interi	ACTION attorial filing date (day/month)		(Earliest) Priority Date (day/month/year)
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Applica	ant			<u> </u>	,,		25, 01, 2003
ASTR	AZENECA	AB	· · · · · · · · · · · · · · · · · · ·				
This i	nternationa ding to Artic	Search Report le 18. A copy is	has beer being tra	prepa nsmitte	red by this International Searced to the International Bureau.	ching Auth	nority and is transmitted to the applicant
This i					al of <u>5</u> shee		report
4 5							report
1	asis of the With regal language	rd to the langua	i ge , the li filed, unle	nternat ess oth	ional search was carried out o erwise indicated under this iter	on the bas m.	is of the international application in the
	. [The interr	national s crity (Rule	earch (was carried out on the basis o	f a transla	tion of the international application furnished to
b.	v			. `	••	iisclosed i	n the International application, see Box No. I.
2.	X c	ertain claims w	ere foun	d unse	earchable (See Box II).		
3.	u	nity of invention	n is tack	ing (se	e Box III).		
4. W	ith regard to	the title,		•			
					by the applicant.		
	X th				his Authority to read as follows		
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5. Wi	th regard to	the abstract,					
	_	e text is approve					
	the	text has been e ly, within one mo	stablishe onth from	d, aco	ording to Rule 38.2(b), by this te of mailing of this internation	Authority nai search	as it appears in Box No. IV. The applicant report, submit comments to this Authority.
6. Wit	h regards to	the drawings,					
a.	the figure o	of the drawings	to be put	olished	with the abstract is Figure No.		
		as suggest	-				٠٠ خـ -
	L.				ty, because the applicant faller ty, because this figure better c		
b.	noi				y, because this figure better c ed with the abstract.	maracteriz	zes the invention.

International Application No PCT/GB2004/001614

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D403/12 A61K31/517 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUME	ENTS CONSIDERED TO	BE RELEVANT
Catagonie	Citation of document ud	th Indication

Category °	Citation of document, with Indication. where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/00649 A (ASTRAZENECA) 3 January 2002 (2002-01-03) cited in the application page 1 - page 3; claims; examples	1-25
Y	WO 01/21597 A (ASTRAZENECA) 29 March 2001 (2001-03-29) cited in the application page 1 - page 3; claims; examples	1-25
A	WO 95/15758 A (RHONE POULENC RORER) 15 June 1995 (1995-06-15) page 1 - page 3; claims; examples	1-25
	-/	·

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.				
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the International filing date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family				
Date of the actual completion of the international search	Date of mailing of the international search report				
13 September 2004	20/09/2004				
Name and malling address of the ISA	Authorized officer				
European Patent Office, P.B. 5818 Patentlaan 2 NL ~ 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Helps, I				

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International Application No PCT/GB2004/001614

Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Calegory	CRAILDIT OF GOCUMENT, With Indication, Whate appropriate, of the relevant passages	Ticketan to denitio.
A	H. KATAYAMA ET. AL.: "The Aurora Kinases. Role in cell transformation and Tumorigenesis." CANCER AND METASTASIS REVIEWS, vol. 22, 2003, pages 451-64, XP009022607 page 453, column 2 - page 461, column 1	1-25
A	D. MAHADEVAN ET. AL.: "Structure basede design of novel anti-cancer agents targetting aurora kinases" CURRENT MEDICINAL CHEMISTRY, ANTI CANCER AGENTS, vol. 3, 2003, pages 25-34, XP009022702 figure 5	1-25
P,Y	WO 03/055491 A (ASTRAZENECA) 10 July 2003 (2003-07-10) page 1 - page 3; claims; tables	1-25
Ε	WO 2004/058781 A (ASTRAZENECA) 15 July 2004 (2004-07-15) page 1 - page 3; claims; examples; tables	1-25
E	WO 2004/058752 A (ASTRAZENECA) 15 July 2004 (2004-07-15) page 1 - page 3; claims; examples	1-25
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International application No. PCT/GB2004/001614

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 23 because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 23 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable daims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

information on patent family members

International Application No
PCT/GB2004/001614

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